

Title (en)
METHODS AND APPARATUSES FOR CREATING AUTHENTICATABLE PRINTED ARTICLES AND SUBSEQUENTLY VERIFYING THEM

Title (de)
VERFAHREN UND VORRICHTUNGEN ZUR ERZEUGUNG AUTHENTIFIZIERBARER GEGENSTÄNDE UND IHRER NACHFOLGENDEN ÜBERPRÜFUNG

Title (fr)
PROCEDES ET APPAREILS POUR CREER DES ARTICLES IMPRIMES AUTHENTIFIABLES ET LES VERIFIER ULTERIEUREMENT

Publication
EP 1730665 A1 20061213 (EN)

Application
EP 05717968 A 20050309

Priority
• GB 2005000903 W 20050309
• GB 0405641 A 20040312
• US 60146304 P 20040813
• GB 0418138 A 20040813
• US 60146404 P 20040813
• GB 0420524 A 20040915
• US 61007504 P 20040915

Abstract (en)
[origin: WO2005088517A1] A printer with integral scanner for obtaining a digital signature from a sheet of paper or other article as it is printed. The integral scanner has a coherent source which directs a light beam to illuminate the article and a detector arrangement to collect data points from light scattered from many different parts of the article to collect a large number of independent data points, typically 500 or more. The digital signature derived from the data points is stored in a database with an image of what was printed on the article. At a later time, the authenticity of an article purported to be the originally printed article can be verified by scanning the purported genuine article to obtain its digital signature. The database is then searched, to estate ish whether there is a match. If a match is found, the image stored in the database with the matched digital signature is displayed to the user to allow a further visual check that the article is genuine. The image is displayed together with other relevant bibliographic data relevant to the article.

IPC 8 full level
G06K 7/14 (2006.01); **G06K 5/00** (2006.01); **G06K 19/06** (2006.01); **G06K 19/067** (2006.01); **G06V 10/42** (2022.01); **G07D 7/00** (2006.01); **G07D 7/12** (2006.01); **G07D 7/20** (2006.01); **G07F 7/08** (2006.01); **B41M 3/14** (2006.01)

CPC (source: EP KR US)
B41M 3/14 (2013.01 - KR); **G06K 7/14** (2013.01 - EP KR US); **G06K 19/10** (2013.01 - EP US); **G06K 19/14** (2013.01 - EP KR US); **G06V 10/42** (2022.01 - EP KR US); **G06V 20/80** (2022.01 - EP KR US); **G07D 7/0047** (2017.04 - EP KR US); **G07D 7/01** (2017.04 - EP KR US); **G07D 7/121** (2013.01 - EP KR US); **G07D 7/202** (2017.04 - EP KR US); **H04N 1/00278** (2013.01 - EP KR US); **H04N 1/0087** (2013.01 - EP KR US); **B41M 3/14** (2013.01 - EP US)

Citation (search report)
See references of WO 2005088517A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2005088517 A1 20050922; AR 048089 A1 20060329; AT E433164 T1 20090615; AU 2005220383 A1 20050922; AU 2005220383 B2 20100506; BR PI0508635 A 20070807; CA 2559271 A1 20050922; CN 100527152 C 20090812; CN 1969284 A 20070523; DE 602005014755 D1 20090716; EP 1730665 A1 20061213; EP 1730665 B1 20090603; EP 2081130 A2 20090722; EP 2081130 A3 20100922; EP 2081130 B1 20130724; HK 1086795 A1 20060929; HK 1139901 A1 20100930; IL 177966 A0 20061231; IL 177966 A 20101130; JP 2007528812 A 20071018; JP 2012070396 A 20120405; JP 2013034238 A 20130214; JP 5148996 B2 20130220; JP 5283744 B2 20130904; JP 5654541 B2 20150114; KR 101168932 B1 20120802; KR 20070024510 A 20070302; MX PA06010401 A 20070119; MY 142465 A 20101130; RU 2006136024 A 20080420; RU 2380750 C2 20100127; TW 200622926 A 20060701; US 2008002243 A1 20080103; US 2012170069 A1 20120705; US 2014168690 A1 20140619; US 8699088 B2 20140415; US 8896885 B2 20141125; US 9019567 B2 20150428

DOCDB simple family (application)
GB 2005000903 W 20050309; AR P050100932 A 20050311; AT 05717968 T 20050309; AU 2005220383 A 20050309; BR PI0508635 A 20050309; CA 2559271 A 20050309; CN 200580013900 A 20050309; DE 602005014755 T 20050309; EP 05717968 A 20050309; EP 09158523 A 20050309; HK 06108917 A 20060811; HK 10102893 A 20100319; IL 17796606 A 20060907; JP 2007502393 A 20050309; JP 2011231713 A 20111021; JP 2012230567 A 20121018; KR 20067021215 A 20050309; MX PA06010401 A 20050309; MY PI20051031 A 20050311; RU 2006136024 A 20050309; TW 94107540 A 20050311; US 201213368236 A 20120207; US 201414188156 A 20140224; US 59259305 A 20050309